

Calendar

Tue., June 19

12:00 p.m.

Summer Lecture Series - 1
West

Speaker: R. Pasquinelli,
Fermilab

Title: Engineering at Fermilab

3:30 p.m.

DIRECTOR'S COFFEE
BREAK - 2nd Flr X-Over
THERE WILL BE NO
ACCELERATOR PHYSICS
AND TECHNOLOGY
SEMINAR TODAY

Wed., June 20

11:00 a.m.

Fermilab ILC R&D Meeting -
One West

Speaker: P. McIntyre, Texas
A&M University

Title: Novel Designs for Tesla-
Like Accelerating RF Structures

3:30 p.m.

DIRECTOR'S COFFEE
BREAK - 2nd Flr X-Over

4:00 p.m.

Fermilab Colloquium - One
West

Speaker: J. Howell, University
of Rochester

Title: Slow Images and
Entangled Photons

[Click here](#) for NALCAL,
a weekly calendar with links
to additional information.

Weather



Sunny 82°/56°

[Extended Forecast](#)
[Weather at Fermilab](#)

Current Security Status

[Secon Level 3](#)

Wilson Hall Cafe

Feature

DASTOW: Welcoming the next generation to the lab



[DASTOW will take place this Thursday. Like last year, the program will start with a group photo on the steps of Wilson Hall at 8:45 a.m.](#)

This Thursday, June 21, Fermilab employees will take some time away from working with this generation's great minds to engage with the next generation's inquiring ones.

Daughters and Sons to Work Day promotes science education among youth by inviting Fermilab kids from kindergartners to high-schoolers spend an action-packed day with their parents at a unique workplace--the nation's premier particle physics laboratory." Organizers predict 300 children of all ages will attend the 11th annual DASTOW event at Fermilab. "DASTOW is a great opportunity for children to come see what their parents do at work everyday," said organizer Mary Anne Stowell. "It allows parents and children to spend time together as a family while making science fun and understandable and promoting education and involvement."

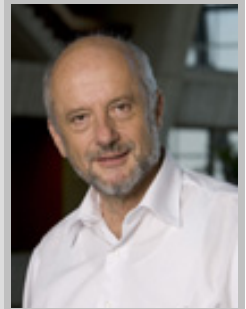
From 8:45 a.m. to 2 p.m., participants can expect a variety of activities and events including the traditional group photo in front of Wilson Hall and a buffalo pasture tour. The festivities will begin with Mr. Freeze's Cryo Show, presented by Jerry Zimmerman of the Particle Physics Division. The popular show incorporates liquid nitrogen liquid nitrogen experiments to demonstrate state change in gas, liquid, and solid materials. A tour of the Fermilab Fire Department featuring a crash simulation will follow at 10 a.m.

This year, there will be a special session designed to encourage interest in science

Director's Corner

FRA Board of Directors

A notable event for many of us last week was the second Board of Directors meeting of Fermi Research Alliance. The meeting took place over a two-day period and demanded the attention of many of the senior managers of the laboratory. Robert



Pier Oddone

Zimmer, President of the University of Chicago, presides over the board as its chairman and Fred Bernthal, President of URA as its vice chairman. The board is composed of distinguished members of the physics community, university presidents and senior university administrators, industrial and policy leaders and senior managers of DOE laboratories. These members bring a remarkable set of talents, experience and influence to the board's oversight role and the development of Fermilab's future.

- The executive committee follows and consults with the director concerning laboratory issues between board meetings and prepares the agenda for full board meetings;
- The physics committee reviews appointments, oversees the scientific program and future planning and selects the yearly FRA visiting committee that reviews the scientific program;
- The audit committee insures that we have satisfactory controls over the financial operations of the laboratory and other risk issues;
- The administration and finance committee oversees the administrative functions of the laboratory, including the budget functions, and appoints the yearly committee of peers to review administrative functions;
- The environmental health and safety committee oversees our ES&H performance and policies as well as security at the laboratory;
- The compensation committee reviews compensation policies for the laboratory, oversees our human resources function, including diversity, and measures

Tuesday, June 19

- Tomato Bisque
- Lemon Pepper Club
- Burgundy Beef Tips
- Smart Cuisine: Tortellini

Alfredo

- Grilled Chicken Caesar Wrap
- Assorted pizza slices
- Rio Grande Taco Salads

Carb Restricted Alternative*[Wilson Hall Cafe Menu](#)Chez Leon****Wednesday, June 20****Lunch**

- Arranchera al carbon
- Roasted red peppers
- Warm tortillas
- Pico de gallo
- Black bean & corn salad
- Coconut rice pudding

Thursday, June 21**Dinner**

- Caponata
- Grilled lamb chops
- Canelli bean & celery root puree
- Blueberry cobbler

[Chez Leon Menu](#)

Call x4598 to make your reservation.

Archives[Fermilab Today](#)[Result of the Week](#)[Safety Tip of the Week](#)[ILC NewsLine](#)**Info**

Fermilab Today

is online at:

www.fnal.gov/today/

Send comments and suggestions to:

today@fnal.gov

among interested high school girls, who will meet [one-on-one](#) with female scientists and engineers. Space is limited for this event and is available by [sign up](#) only.

New activities this year will include the Physics of Sports, insect studies as part of the prairie tours and the Light and Color Demo, one of the "World Year in Physics" demonstrations that Fermilab has performed for local elementary and middle schools. "It's a demonstration of how light works -- how atoms emit photons, how light sometimes acts like a wave, sometimes like a particle," said coordinator Anne Heavey. "An overhead projector and a jar of corn syrup are two crucial ingredients -- I'm not going to give any more away!"

For more information and a full schedule of events, visit the [DASTOW](#) web site.

-- Lauren Younis

Feature**2007 Summer Lecture Series puts student work in context**

Today is the fourth talk in a series of lectures aimed at orienting students with the work, research, and programs underway at Fermilab. Ralph Pasquinelli from the Accelerator Division's Engineering Department will speak at noon today on Fermilab's engineering operations.

The lectures, which take place Tuesdays at noon through August 7, are sponsored by the Summer Internships in Science and Technology program. The goal of SIST is to help students understand the role of their work in context, and to guide them as they contribute to the ongoing success of Fermilab and the international physics community.

Last week Fermilab Director Pier Oddone, the third speaker in the 11-lecture series, outlined the ongoing success of Fermilab and its role in the international physics community in his welcome address to the students. "It was so



[Leon Lederman speaks to summer students about his Nobel prize winning experiment in the series' second lecture.](#)

performance of and recommends compensation for the director; and

- The ILC committee oversees our national and international activities in support of the ILC and focuses on helping us bring the ILC to reality.

The senior managers of the laboratory act as points of contact for the chairs of the committees and ensure that all our operations are fully transparent to members of the board.

Principal issues of concern for the board were the increased rate of TRC and DART cases at the laboratory in FY 2007, the LHC triplet failure and repair, and the planning and capture strategy for the ILC. On the latter issue the full board established break-out groups to study and help develop three aspects of the capture strategy: 1) how to integrate the capture strategy into a roadmap for the field that supports the ILC and the HEP community; 2) how to proceed on the international arrangements that are already in the critical path for the project; and 3) how to develop plans to influence the many decision-makers in the path to making the ILC a reality. It was extremely valuable for us who work on these issues every day to receive their collective wisdom and benefit from the fresh approach of highly experienced members on the board. We will be following up on each of the new and important ideas that were a consequence of these meetings.

Accelerator Update**June 15 - 18**

- Three stores provided 56 hours and 45 minutes of luminosity
- MI and Debuncher kicker problems
- High temperature problems on MI water systems
- 144e10 antiprotons lost in the stash

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

Announcements

interesting," said summer intern Kristen Vaccaro, a junior from Reid College in Oregon working on the COUPP project. "It gave a good introduction to Fermilab, particularly about particle physics as a whole and as an international effort."

SIST organizer Elliot McCrory sees the lecture series as a great way to inform young people about career possibilities in science and engineering. He hopes that a personal address from the director helped the summer interns to see the impact of their research. "We want to connect the students' work to the mission of the lab," said McCrory. "This will help them understand the context of their future careers."

McCrory expressed respect for Oddone's enthusiasm and commitment, noting that he clearly enjoys working with students and emphasizing the importance of their work at the lab. Although the lectures are designed for summer students, everyone is invited to attend. A list of the summer lecture series speakers and topics are available [here](#).

-- Lauren Younis

In the News

From *Science.com*, June 15, 2007

Delay in Europe Could Mean Extra Year for U.S. Collider

Physicists were hardly surprised when officials at the European lab CERN announced last week that the world's new highest-energy atom smasher, the Large Hadron Collider (LHC), will not start up in November as planned. Assembly of the \$3.8 billion accelerator near Geneva, Switzerland, was more than a month behind, leaving no time for a scheduled month-long "engineering run" before power becomes prohibitively expensive in the winter (Science, 6 April, p. 31).

[Read more](#)

Vacancies in DOE Office of Science

The U.S. Department of Energy's Office of Science is seeking highly qualified candidates with outstanding scientific achievements to fill two important positions: [Deputy for Programs](#) and [Associate Director of the Office of Science Biological and Environmental Research \(BER\) Program](#).

June Wilson Hall window washing

Window washing at Wilson Hall will continue through the end of June. Wilson Hall's interior will be washed this week. Floors 15, 14, 13 and 12 will be washed today. Please avoid walking through or moving barricades.

Men's locker room closed this week

Complications with renovations to the men's locker room on the ground floor of Wilson Hall will extend the room's closure through Friday, June 22.

Volunteers for prairie study

The Education Office is looking for volunteers, both adults and teenagers, to help with the plant monitoring program. In a 3-hour session, participants will learn to identify prairie plants, map a prairie plot and track restoration progress just like the experts. First session is offered on Monday, June 18, with a registration deadline of June 13. Sign up as individual or as group. [More information](#)

Intro to Java July 16-20

Learn the foundations of the Java language in an Intro to Java course July 16-20. and will cover aspects of the The course is intensive, covering aspects of the language used in every Java program, and containing a mix of lecture and hand-on labs. The programs developed in the course are applicable to real-world problems and lay a solid foundation of skills for more advanced Java enterprise development. [Learn more and enroll.](#)

[Additional Activities](#)